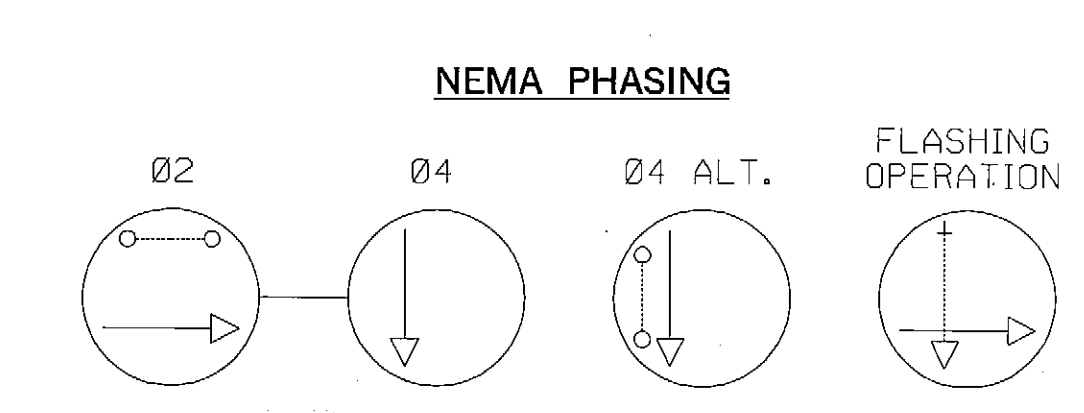
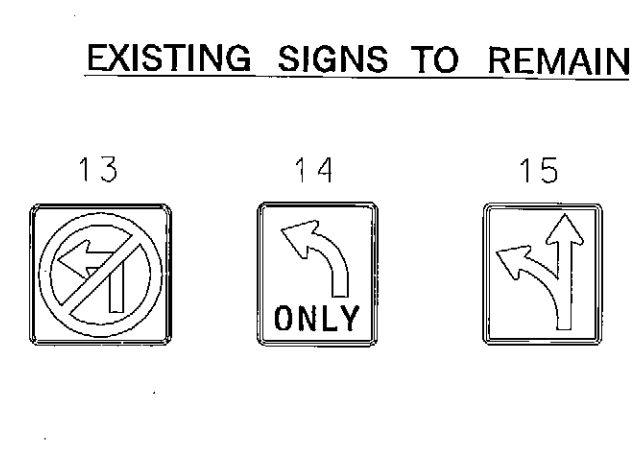
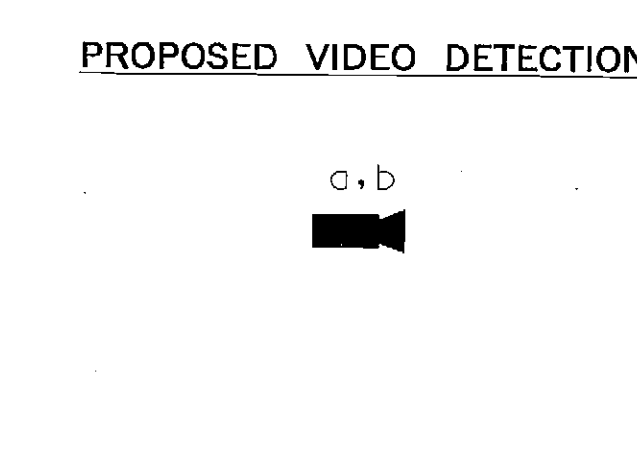
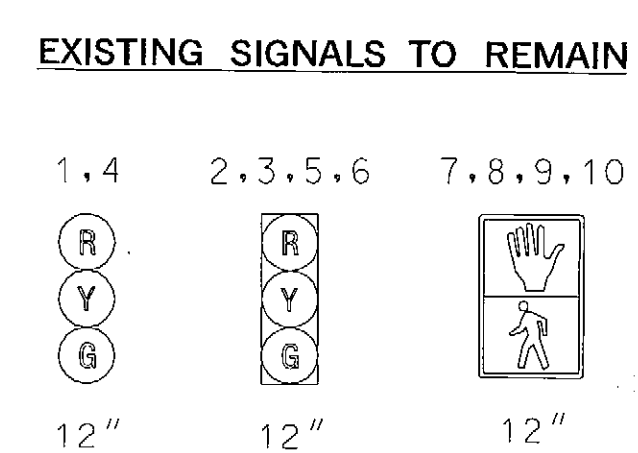
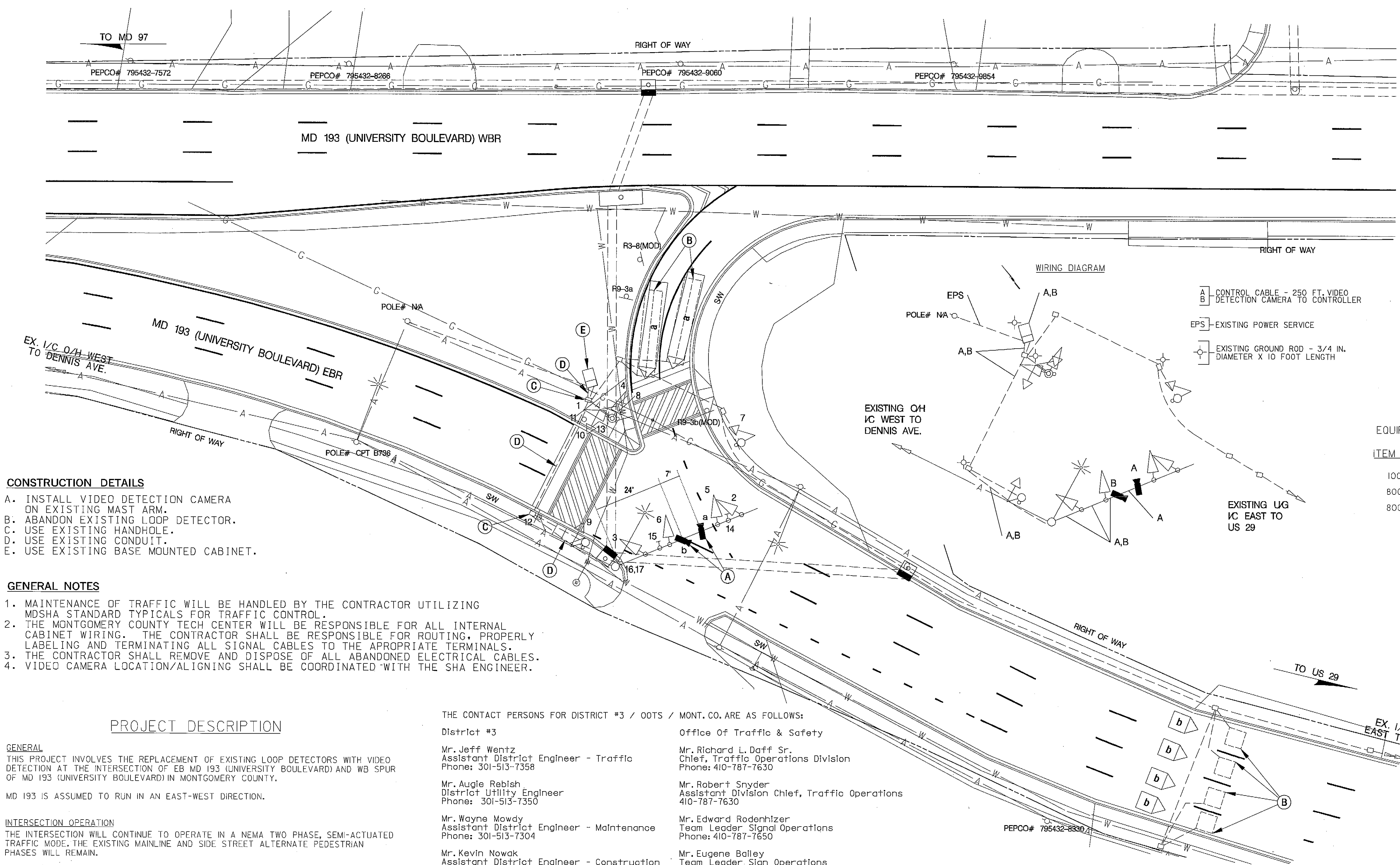


MD 193 IS ASSUMED TO RUN  
IN AN EAST-WEST DIRECTION



NOTE:  
PHASES ASSOCIATED BY A DASHED LINE MAY/WILL OPERATE CONCURRENTLY.  
PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY.



CONSTRUCTION DETAILS

- A. INSTALL VIDEO DETECTION CAMERA ON EXISTING MAST ARM.
- B. ABANDON EXISTING LOOP DETECTOR.
- C. USE EXISTING HANDHOLE.
- D. USE EXISTING CONDUIT.
- E. USE EXISTING BASE MOUNTED CABINET.

GENERAL NOTES

- 1. MAINTENANCE OF TRAFFIC WILL BE HANDLED BY THE CONTRACTOR UTILIZING MDSHA STANDARD TYPICALS FOR TRAFFIC CONTROL.
- 2. THE MONTGOMERY COUNTY TECH CENTER WILL BE RESPONSIBLE FOR ALL INTERNAL CABINET WIRING. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ROUTING, PROPERLY LABELING AND TERMINATING ALL SIGNAL CABLES TO THE APPROPRIATE TERMINALS.
- 3. THE CONTRACTOR SHALL REMOVE AND DISPOSE OF ALL ABANDONED ELECTRICAL CABLES.
- 4. VIDEO CAMERA LOCATION/ALIGNING SHALL BE COORDINATED WITH THE SHA ENGINEER.

PROJECT DESCRIPTION

GENERAL  
THIS PROJECT INVOLVES THE REPLACEMENT OF EXISTING LOOP DETECTORS WITH VIDEO DETECTION AT THE INTERSECTION OF EB MD 193 (UNIVERSITY BOULEVARD) AND WB SPUR OF MD 193 (UNIVERSITY BOULEVARD) IN MONTGOMERY COUNTY.

MD 193 IS ASSUMED TO RUN IN AN EAST-WEST DIRECTION.

INTERSECTION OPERATION  
THE INTERSECTION WILL CONTINUE TO OPERATE IN A NEMA TWO PHASE, SEMI-ACTUATED TRAFFIC MODE. THE EXISTING MAINLINE AND SIDE STREET ALTERNATE PEDESTRIAN PHASES WILL REMAIN.

CONTROLLER REQUIREMENTS  
THE EXISTING BASE MOUNTED CABINET AND CONTROLLER SHALL REMAIN. THE MONTGOMERY COUNTY TECH CENTER WILL INSTALL ONE (1) VIDEO DETECTION INTERFACE EQUIPMENT WITHIN THE CABINET.

THE CONTACT PERSONS FOR DISTRICT #3 / OOTS / MONT. CO. ARE AS FOLLOWS:

- District #3
- Mr. Jeff Wentz  
Assistant District Engineer - Traffic  
Phone: 301-513-7358
- Mr. Augie Rebish  
District Utility Engineer  
Phone: 301-513-7350
- Mr. Wayne Mowdy  
Assistant District Engineer - Maintenance  
Phone: 301-513-7304
- Mr. Kevin Nowak  
Assistant District Engineer - Construction  
Phone: 301-513-7336
- The Power Company Representative is:  
Potomac Electric Power Company  
8300 Old Marlboro Pike  
Upper Marlboro, Maryland 20772  
Phone: 301-961-5325
- Office Of Traffic & Safety
- Mr. Richard L. Daff Sr.  
Chief, Traffic Operations Division  
Phone: 410-787-7630
- Mr. Robert Snyder  
Assistant Division Chief, Traffic Operations  
410-787-7630
- Mr. Edward Rodenhizer  
Team Leader, Signal Operations  
Phone: 410-787-7650
- Mr. Eugene Bailey  
Team Leader, Sign Operations  
410-787-7670
- Montgomery County
- Mr. Kamal Hamud  
Montgomery County Traffic Engineering  
Phone: 240-777-8761

UTILITY LEGEND

- E — E — ELECTRIC CABLES
- A — A — AERIAL CABLES
- T — T — TELEPHONE CABLES
- F — F — FIBER-OPTIC
- SD — SD — STORM DRAIN
- G — G — GAS MAIN
- W — W — WATER MAIN
- S — S — SEWER MAIN

PHASE CHART	1	2	3	4	5	6	7	8	9	10
	R	R	R	R	R	R	R	R	R	R
	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
	G	G	G	G	G	G	G	G	G	G
PHASE 2	G	G	R	R	R	R	WK	WK	DW	DW
PED. CLEARANCE	G	G	R	R	R	R	FLOW	FLOW	DW	DW
PHASE 2 CHANGE	Y	Y	Y	R	R	R	DW	DW	DW	DW
PHASE 4	R	R	R	G	G	G	DW	DW	DW	DW
PHASE 4 CHANGE	R	R	R	Y	Y	Y	DW	DW	DW	DW
PHASE 4 ALT.	R	R	R	G	G	G	DW	DW	WK	WK
PED. CLEARANCE	R	R	R	G	G	G	DW	DW	FLOW	FLOW
PHASE 4 ALT. CHANGE	R	R	R	Y	Y	Y	DW	DW	DW	DW
FLASHING OPERATION	FL/Y	FL/Y	FL/Y	FL/R	FL/R	FL/R	DARK	DARK	DARK	DARK

EQUIPMENT LIST 'A'

EQUIPMENT TO BE FURNISHED BY THE SHA.

ITEM NO.	QUANTITY	DESCRIPTION
9086	1 EA	[UPDATED] VIDEO DETECTION INTERFACE EQUIPMENT: 1-4 CAMERAS

EQUIPMENT LIST 'B'

EQUIPMENT TO BE FURNISHED AND INSTALLED BY THE CONTRACTOR.

ITEM NO.	QUANTITY	DESCRIPTION
1001	1 EA	MAINTENANCE OF TRAFFIC
8006	1 EA	REMOVE & DISPOSE OF MATERIAL & EQUIPMENT PER ASSIGNMENT
8007	2 EA	VIDEO DETECTION CAMERA AND CABLE

EQUIPMENT LIST 'C'

EQUIPMENT TO BE REMOVED AND RETURNED TO SHA.

CATEGORY CODE	QUANTITY	DESCRIPTION
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NONE - ALL REMOVED EQUIPMENT SHALL BECOME THE PROPERTY OF THE CONTRACTOR

TOD NO:AX141-08  
SHA NO:MO213A51/B51  
MD 193 SPUR OF WESTBOUND MD 193

**SHA**  
STATE OF MARYLAND  
DEPARTMENT OF TRANSPORTATION  
STATE HIGHWAY ADMINISTRATION  
OFFICE OF TRAFFIC & SAFETY  
TRAFFIC ENGINEERING DESIGN DIVISION  
EB MD 193 (UNIVERSITY BOULEVARD) AT  
SPUR OF WB MD 193 (UNIVERSITY BOULEVARD)

**SIGNALIZATION PLAN SHEET**  
SCALE 1"=20' ADVERTISED DATE SEPT. 1995 CONTRACT NO. M 425-602-370  
DESIGNED BY ZAJ COUNTY MONTGOMERY  
DRAWN BY ZAJ LOGMILE 15019304.22  
CHECKED BY J512  
F.A.P. NO. SEE TITLE SHEET  
TS NO. 3533-B DRAWING SG-1 OF 1 SHEET NO. 1 OF 1

**STV Incorporated**  
engineers/architects/planners/construction managers  
7125 Ambassador Road Baltimore, MD 21244-2722 (410) 944-9112

BY: guilamc